```
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         (c) 2000 The HW Wilson Co.
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File 238:Abs. in New Tech & Eng. 1981-2000/Dec
         (c) 2000 Reed-Elsevier (UK) Ltd.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info

Set     Items   Description
S1         16   DATA()DISTRIBUT?(3N)REQUEST?
S2   17217863   INSTRUCTION? OR PROCESS? OR FUNCTION? OR STEP? ? OR ATTRIB-
             UT? OR EFFECT?
S3    8454474   CONTROL? OR MANAG? OR DIRECT OR REGULAT? OR RESPOND?
S4     123234   S2(3N)(EXTRACT? OR TAK?(3N)OUT OR REMOV? OR CHOOS?)
S5    2036741   DISPLAY? OR INTERFACE? OR GUI OR GRAPHIC()USER()INTERFACE?
             OR VISUAL?
S6    5974852   CHANG? OR ALTER? OR ADJUST? OR MODIF?
S7     527011   S2(3N)(SHOW? OR PRESENT?)
S8    4054444   EXECUT? OR PERFORM?
S9     308819   S2(3N)(INHIBIT? OR PREVENT? OR RESTRICT? OR BLOCK? OR HALT-
             ?)
S10   1233562   ACCORD? OR ADHER? OR MET OR MEETING
S11     29392   S5(3N)(STYLE? OR VIEW? OR FORMAT?)
S12         5   S1 AND S3
S13      9248   S6 AND S5 AND S7
S14     30506   S8 AND S9
S15         5   S12 NOT (PY=>1998 OR PD=>980528)
S16         4   RD S15 (unique items)
S17        47   S13 AND S14
S18        30   S17 NOT (PY=>1998 OR PD=>980528)
S19        25   RD S18 (unique items)
S20         9   S19 NOT (WEATHER OR METEOROL? OR RATS OR IRRADIATION OR PA-
              PER OR EYE OR PSYCHOMOTOR OR GENDER OR IN()VITRO OR INVIVO OR
              CARDIAC OR ATTENTION)
S21     21461   DATA(3N)DISTRIBUT? AND S3
S22       120   S21 AND S9
S23        21   S22 AND S5
S24         0   S23 AND S4
S25        89   S21 AND S4
S26        21   S23 NOT (S16 OR S20)
S27        10   S26 NOT (WEATHER OR METEOROL? OR RATS OR IRRADIATION OR PA-
              PER OR EYE OR PSYCHOMOTOR OR GENDER OR IN()VITRO OR INVIVO OR
              CARDIAC OR ATTENTION)
S28         7   S27 NOT (PY=>1998 OR PD=>980528)
S29         6   RD S28 (unique items)
```

16/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

4795509 INSPEC Abstract Number: B9411-6210L-226, C9411-5690-008
Title: The confirm before delivery technique for high speed data distribution
Author(s): Tak-Shing Yum; Kai-Hau Yeung
Author Affiliation: Dept. of Inf. Eng., Chinese Univ. of Hong Kong, Shatin, Hong Kong
Part vol.2 p.1105-9 vol.2
Publisher: IEEE, New York, NY, USA
Publication Date: 1993 Country of Publication: USA 4 vol. (xxxix+2021+xvi+148) pp.
ISBN: 0 7803 0917 0
U.S. Copyright Clearance Center Code: 0 7803 0917 0/93/$03.00
Conference Title: Proceedings of GLOBECOM '93. IEEE Global Telecommunications Conference
Conference Sponsor: IEEE Houston Section; IEEE Galveston Bay Area Section ; IEEE Commun. Soc
Conference Date: 29 Nov.-2 Dec. 1993 Conference Location: Houston, TX, USA
Language: English
Subfile: B C
...Abstract: the Datacycle system, called the confirm-before-delivery technique, on a high-speed channel for **data distribution** . Data **requested** by users are filtered out by the servers and sent to the user terminals through...
...Descriptors: database **management** systems...

16/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

01565867 INSPEC Abstract Number: C80027153
Title: POLYPHEME: an experience in distributed database system design and implementation
Author(s): Adiba, M.; Andrade, J.M.; Decitre, P.; Fernandez, F.; Nguyen Gia Toan
Author Affiliation: IMAG, Grenoble, France
Conference Title: Distributed Data Bases. Proceedings of the International Symposium on Distributed Data Bases p.67-84
Editor(s): Delobel, C.; Litwin, W.
Publisher: North-Holland, Amsterdam, Netherlands
Publication Date: 1980 Country of Publication: Netherlands xi+367 pp.
Conference Sponsor: ACM; AFCET; AICA; et al
Conference Date: 12-14 March 1980 Conference Location: Paris, France
Language: English
Subfile: C

...Abstract: Scientific Center, the POLYPHEME project addresses the problems of designing and implementing a Distributed Database **Management** System (hereforth referred to a D-DBMS) on a general computer network. The authors describe...
... which has been implemented on the CYCLADES network. The main characteristics of this prototype are: **Data Distribution , Request** Decomposition, Distributed Executive, D-DBMS Architecture.
Descriptors: database **management** systems...

16/3,K/3 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

05617549 Genuine Article#: WL483 No. References: 14
Title: Point-to-multipoint communication protocol on window-based network

presentation system
Author(s): Kawai T (REPRINT) ; Ikeda M; Okada M
Corporate Source: NAGOYA UNIV,GRAD SCH ENGN, DEPT INFORMAT ELECT/NAGOYA/AICHI 46401/JAPAN/ (REPRINT)
Journal: IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS, 1997, VE80D, N2 (FEB), P154-161
ISSN: 0916-8532 Publication date: 19970200
Publisher: IEICE-INST ELECTRON INFO COMMUN ENG, KIKAI-SHINKO-KAIKAN BLDG MINATO-KU SHIBAKOEN 3 CHOME, TOKYO 105, JAPAN
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: is designed for network channels with low error possibility. The PTM protocol utilizes broadcast for **data distributing** . Re-transmission **request** for lost packet is returned to the server, and acknowledgment for correctly received packets is...
Research Fronts: 95-7682 001 (OBJECT-ORIENTED METHODS FOR COMPUTER-AIDED **CONTROL** -SYSTEM DESIGN; USER-INTERFACE STANDARD; CAD TOOL)

16/3,K/4 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

05511248 Genuine Article#: WD579 No. References: 33
Title: Characterization of workloads for distributed DB/DC-processing
Author(s): Born E (REPRINT) ; Delica T; Ehrl W; Richter L; Riedl R
Corporate Source: SIEMENS NIXDORF INFORMAT SYST AG,/MUNICH//GERMANY/ (REPRINT); UNIV ZURICH,/CH-8006 ZURICH//SWITZERLAND/
Journal: INFORMATION SCIENCES, 1997, V97, N1-2 (MAR), P5-33
ISSN: 0020-0255 Publication date: 19970300
Publisher: ELSEVIER SCIENCE INC, 655 AVENUE OF THE AMERICAS, NEW YORK, NY 10010
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: concern processing requirements in order to optimize utilization-based load distribution, as well as data **requests** to exploit actual **data distribution** for an affinity-based scheduling. We investigate the information contained in commercial workloads of on ...
...Research Fronts: RATES)
95-2538 001 (RELIABLE GLOBAL ATOMIC COMMITMENT PROTOCOL FOR DISTRIBUTED MULTIDATABASE SYSTEMS; OPTIMISTIC CONCURRENCY-**CONTROL** ; REPLICATED DATABASES)
95-2636 001 (SLOTTED RING MODEL; QUEUING SYSTEM; SERVICE RATES; OPTIMAL ORDER)

20/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

02639410 INSPEC Abstract Number: C86022410
Title: Configuration of total digital system for hydraulic power plant for integration of control and protection
Author(s): Hongawa, Y.
Journal: Instrumentation vol.28, no.4 p.58-63
Publication Date: April 1985 Country of Publication: Japan
CODEN: KISOBT ISSN: 0368-5780
Language: Japanese
Subfile: C

...Abstract: digital system for integration of control and protection that form the nucleus of hydraulic plant **functions** . The **present** system consists of three major parts, i.e. 'monitoring block', 'control block' and 'protection block...

... equipment is surrounded by these sequencer units and all the controls for normal operation are **executed** . The monitoring block can detect even the slightest abnormality by means of the man-machine **interface** between the operator and the digital system and operation status **changes** as a function of time. The protection **block** has made each **function** of the main machine and main substation independent, and each trouble data detected by the...
...Descriptors: user **interfaces**
...Identifiers: man-machine **interface**

20/3,K/2 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

1470099 NTIS Accession Number: AD-A212 764/5
Effects of Type of Responding on Memory/ Visual **Search: Responding Just 'Yes' or Just 'No' Can Lead to Inflexible** Performance
(Final rept. May-Sep 86)
Fisk, A. D. ; Ackerman, P. L.
Southeastern Center for Electrical Engineering Education, Inc., St. Cloud, FL.
Corp. Source Codes: 071686000; 394958
Sponsor: Air Force Human Resources Lab., Brooks AFB, TX.
Report No.: AFHRL-TR-88-75
Aug 89 10p
Languages: English Document Type: Journal article
Journal Announcement: GRAI9002
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A02/MF A01

Effects of Type of Responding on Memory/ Visual **Search: Responding Just 'Yes' or Just 'No' Can Lead to Inflexible** Performance
Interactions of stimulus consistency and type of responding were examined during perceptual learning. Subjects **performed** hybrid memory-**visual** search tasks over extended consistent and varied mapping process. Response conditions required subjects to respond...

... training, the subjects were transferred to a different response condition. The results indicate that: 1) **performance** on search tasks with stimuli that are variably mapped **shows** no qualitative **changes** **attributable** to manipulation of response format; 2) improvement due to consistent mapping (CM) practice is attenuated...

... and transfer data support and extend previous research investigating effects of response set in memory/**visual** search and help to delineate factors that facilitate or **inhibit** reduction of load **effects** in memory and **visual** search. Reprints. (sdw)
Descriptors: Memory devices; ***Visual** perception; Consistency; Formats; Interactions; Learning; Mapping; Perception; Reduction; Reprints; Response; Searching; Stimuli; Transfer

20/3,K/3 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

02846109 Genuine Article#: MH876 No. References: 34
Title: MODULATION OF RAT THYMOCYTE PROLIFERATIVE RESPONSE THROUGH THE INHIBITION OF DIFFERENT CYCLIC-NUCLEOTIDE PHOSPHODIESTERASE ISOFORMS BY MEANS OF SELECTIVE INHIBITORS AND CGMP-ELEVATING AGENTS
Author(s): MARCOZ P; PRIGENT AF; LAGARDE M; NEMOZ G
Corporate Source: INSA,INSERM,U352/F-69621 VILLEURBANNE//FRANCE/; INSA,INSERM,U352/F-69621 VILLEURBANNE//FRANCE/
Journal: MOLECULAR PHARMACOLOGY, 1993, V44, N5 (NOV), P1027-1035
ISSN: 0026-895X
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: Multiple isoenzymes of phosphodiesterase were fractionated from the cytosol of rat thymic lymphocytes by high **performance** liquid chromatography on an anion exchange column. In addition to the type II, III, IV...

...inhibitors of type III and type V phosphodiesterases, milrinone and M&B 22,948, respectively, **displayed** only marginal **inhibitory effects** . The association of the type III and IV phosphodiesterase inhibitors produced synergistic inhibition of proliferation, which could then be almost totally suppressed. These **inhibitory effects** on cell multiplication were reflected at the level of the cell cAMP content; only rolipram...

...of milrinone, reaching almost 100%. The type V phosphodiesterase selective inhibitor M&B 22,948 **displayed** similar properties to those of milrinone, which suggests that it indirectly inhibited the type III ...

...with rolipram. Furthermore, 8-bromo-cGMP, a potent activator of cGMP-dependent protein kinase, which **showed** only weak **inhibitory effects** on thymic type III phosphodiesterase, failed to **alter** the effects of rolipram on the cell proliferation. These results allow us to delineate a...

20/3,K/4 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abstracts Online

01350297 ORDER NO: AAD94-09011
STEADY-STATE AND TRANSIENT KINETIC STUDIES OF THE L-LACTATE DEHYDROGENASE FROM BACILLUS STEAROTHERMOPHILUS. (VOLUMES I AND II) (LACTATE DEHYDROGENASE)
Author: SERAVALLI, JAVIER
Degree: PH.D.
Year: 1993
Corporate Source/Institution: UNIVERSITY OF KANSAS (0099)
Source: VOLUME 54/11-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 5676. 511 PAGES

...the allosteric activator fructose-1,6-bisphosphate (FBP) were calculated. The enzyme was shown to **display** a steady-state sequential ordered mechanism of substrate addition, with NADH first.

No measurable substrate...

...FBP and 1.0 mM NADH using initial rates. The time-dependent slow type of **inhibition showed** isotope **effects** for h$\sb3$-pyruvate and d$\sb3$-pyruvate of 3.0 for the on (second...

...Primary (NADH/NADD) and secondary (h$\sb3$-pyruvate/d$\sb3$-pyruvate) substrate isotope effects were **performed** for kcat and kcat/Kmb under the conditions explained above. They were used as probes...

...dimer complexes then associate to form tetramers; (2) the presence of the substrates did not **change** the pathway for tetramer dissociation. (Abstract shortened by UMI.)

20/3,K/5 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abstracts Online

01090053 ORDER NO: AAD90-04291
ENCODING OF VISUAL **DETAIL BY YOUNG AND ELDERLY ADULTS**
Author: JELIN, MARJORIE ALPREN
Degree: PH.D.
Year: 1989
Corporate Source/Institution: NEW YORK UNIVERSITY (0146)
Source: VOLUME 50/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 4245. 109 PAGES

ENCODING OF VISUAL **DETAIL BY YOUNG AND ELDERLY ADULTS**

...Young and elderly adults were compared on their accuracy and speed in detecting and identifying **changes** in **visual** scenes. Subjects included 32 older adult volunteers (age 65 and over) and 32 young adults...

...this study. Ten standard scenes and 8 variations of each were generated. Four types of **change** (addition of an object, deletion of an object, location **change** of an object, and substitution of an object by another of its kind, e.g. one pair of eyeglasses for another), as well as two levels of **change** (subtle and obvious) were represented in the stimulus set.

Two counterbalanced, constrained random orders were produced, each of which was inverted to **prevent** position **effects** , yielding four **presentation** orders. A total of 50 experimental slide pairs, or half the total set (including 10 pairs in which no **change** occurred) were presented in an immediate memory, detection of **change** format. Subjects were asked to both detect and identify any **changes** . Accuracy scores were based on detection responses only.

A mixed analysis of variance for response time revealed that the elderly **performed** significantly more slowly overall than the young, and that, like the young, their response time increased with increased item difficulty. Tests of simple effects on the age x **change** type interaction revealed disproportionate slowing by the elderly on the substitution **change** type.

A mixed analysis of variance for detection accuracy scores revealed that the elderly **performed** significantly less accurately overall than the young. Tests of simple effects for age x **change** type and age x **change** level interactions revealed that the elderly were disproportionately less accurate that the young in detecting item substitutions and subtle **changes** of all types.

These results, suggesting an age-related decline in **visual** detail encoding, were interpreted and discussed from the theoretical perspectives of processing capacity and levels...

20/3,K/6 (Item 3 from file: 35)
DIALOG(R)File 35:Dissertation Abstracts Online

0984071 ORDER NO: AAD88-03807
REMEMBERING WHEN: CRITICAL FACTORS IN THE PROCESSING OF TEMPORAL ORDER INFORMATION
Author: DOREN, BONNIE EILEEN
Degree: PH.D
Year: 1987
Corporate Source/Institution: TEMPLE UNIVERSITY (0225)
Source: VOLUME 49/01-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 0249. 147 PAGES

...The direct auditory superiority view was tested directly in Experiments 1 and 2. Mode of **presentation** and rehearsal-based **instructions** were manipulated. The instructions had subjects either rehearse in isolation or rehearse current items with antecedents. Best temporal **performance** was expected when items were presented in the auditory mode and under restricted rehearsals. The...

...They were either within or between category recency test pairs. Items were presented in the **visual** or auditory mode. Neither view was supported by the results. **Visual** superiority was found in Experiment 4 for categorized list items and overall temporal **performance** was better for categorized than unrelated list items.
Experiment 5 specifically tested the second view...

...had subjects think of prior related items and report them. A second gave general memory **instructions** . A third **restricted** rehearsal by employing an orienting task. The results showed high verbal subjects benefit from explicit...

...high or low verbal subjects. Examination of rehearsal patterns did not shed light on temporal **performance** .
It was concluded that subjects possess only crude temporal knowledge, determined by a number of weak cues and individual differences must be explored. An **alternative** view was previewed.

20/3,K/7 (Item 4 from file: 35)
DIALOG(R)File 35:Dissertation Abstracts Online

696687 ORDER NO: AAD80-22553
SEMI-BATCH OPERATION OF AEROBIC DIGESTION OF WASTE ACTIVATED SLUDGE
Author: ERBES, HEINRICH EWALD
Degree: PH.D.
Year: 1980
Corporate Source/Institution: RUTGERS UNIVERSITY THE STATE U. OF NEW JERSEY (NEW BRUNSWICK) (0190)
Source: VOLUME 41/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1472. 167 PAGES

...proceeded in two phases. During the first phase, the response of supernatant COD, solid-liquid **interface** settling velocity and dewatering characteristics, as measured by specific resistance and coefficient of compressibility, were...

...as functions of cycle time and suspended solids retention time. A nested-factorial experiment was **performed** , with a "**block effect** " nested within the cycle time effect. Analysis of Variance (ANOVA) was used to evaluate the results.
The ANOVA involving coefficient of compressibility **showed** only the **block effect** as being a significant factor statistically. The magnitude of these variations, however, were slight and would probably not be considered important in actual practice. The ANOVA involving specific resistance **showed** the **block effect** , the **block** -suspended solids retention time interaction and the effect of individual waste activated sludge samples used...

...improve dewatering as it was to make it more difficult.
The supernatant COD ANOVA also **showed** the **block** **effect** , the **block** -suspended solids retention time interaction and the sludge used to feed the reactors as being...

...l. At these levels, the supernatant would usually require further treatment before discharge.
With the **interface** settling velocity, all the factors and the cycle time-suspended solids retention time interaction were...

...obtained. The data do not indicate substantial mineralization of the volatile solids. Most of the **change** in form of solids, however, was conversion of suspended solids to dissolved solids.
...

20/3,K/8 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

01643540 JICST ACCESSION NUMBER: 92A0710601 FILE SEGMENT: JICST-E
A Case of Pulmonary Fibrosis in which Inhibition of Pulmonary Vasoconstriction was Detected Using DSA Pulmonary Wedge Angiography.
YAMASA TOSHIHIKO (1); IMAMURA TOSHIYUKI (1); TOMONAGA KIYOMI (1); HARA KOHEI (1); SAKAMOTO AKIRA (2); NISHIJIMA KYOJI (2); SHUKUWA MASAHIRO (2)
(1) Nagasaki Univ.; (2) Kenpo Isahaya General Hospital
Nippon Kyobu Shikkan Gakkai Zasshi(Japanese Journal of Thoracic Diseases), 1992, VOL.30,NO.8, PAGE.1543-1547, FIG.4, TBL.2, REF.9
JOURNAL NUMBER: Z0676AAC ISSN NO: 0301-1542
UNIVERSAL DECIMAL CLASSIFICATION: 616.22/.27
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

...ABSTRACT: chest disclosed diffuse reticular shadows, especially in the bilateral lower lung fields. Blood gas analysis **showed** severe hypoxemia. Pulmonary **function** test disclosed severe **restrictive** pattern. From these findings, the patient was thought to have pulmonary fibrosis. Right heart catheterization showed pulmonary hypertension. To evaluate the pulmonary vascular bed, we **performed** DSA pulmonary wedge angiography. The pulmonary capillary phase stained homogeneously in normal subjects. However, in...

...the A9 was filled well and capillary bed staining was increased. We consider that this **change** was induced by inhibition of hypoxic pulmonary vasoconstriction (HPV) by oxygen. DSA pulmonary wedge angiography was useful for **visual** evaluation of HPV. (author abst.)

20/3,K/9 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus

01343966 JICST ACCESSION NUMBER: 91A0575784 FILE SEGMENT: JICST-E
New Polyphenolic 5'-Nucleotidase Inhibitors Isolated from the Wine Grape "Koshu" and Their Biological Effects.
TOUKAIRIN T (1); UCHINO K (1); IWAMOTO M (1); MURAKAMI S (1); TATEBAYASHI T (1); TONOSAKI Y (1); OGAWARA H (2)
(1) Nippon Flour Mills Co., Ltd., Kanagawa, JPN; (2) Meiji Coll. Pharmacy, Tokyo, JPN
Chem Pharm Bull, 1991, VOL.39,NO.6, PAGE.1480-1483, FIG.5, TBL.5, REF.8
JOURNAL NUMBER: G0504AAP ISSN NO: 0009-2363 CODEN: CPBTA
UNIVERSAL DECIMAL CLASSIFICATION: 581.192 577.152
LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

...ABSTRACT: the wine grape "Koshu". They were purified by solvent extraction, dialysis, and reversed-phase high **performance** liquid chromatography(HPLC). Their physico-chemical properties revealed these compounds to be polyphenolic substances. The...

...respectively. They strongly inhibited 5'-nucleotidase activities from snake venom and rat liver membrane, and **displayed** significant therapeutic activity against Ehrlich ascites carcinoma. They also **showed inhibitory effects** on the growth of Streptococcus mutans MT8148(c), a primary cariogenic bacterium. Furthermore, these 5...
...BROADER DESCRIPTORS: **adjustment** ;
?

29/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

5351869 INSPEC Abstract Number: C9610-6140D-010
Title: ALWAN: a skeleton programming language
Author(s): Burkhart, H.; Frank, R.; Hachler, G.
Author Affiliation: Inf. Dept., Basel Univ., Switzerland
Conference Title: Coordination Languages and Models. First International Conference COORDINATION '96. Proceedings p.407-10
Editor(s): Ciancarini, P.; Hankin, C.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1996 Country of Publication: West Germany xi+443 pp.
ISBN: 3 540 61052 9 Material Identity Number: XX96-00835
Conference Title: Proceedings of COORDINATION '96. First International Conference on Coordination Models and Languages
Conference Date: 15-17 April 1996 Conference Location: Cesena, Italy
Language: English
Subfile: C

...Abstract: ALWAN language provides high-level constructs for the description of parallel coordination aspects, such as **data** partitioning and **distribution** , process topology **management** and communication aspects. As ALWAN is intended to specify only the coordination of an algorithm, it provides an **interface** to other, widely used, sequential languages, such as C and FORTRAN. Coordination skeletons and sequential building **blocks** are **processed** by the programming environment (ALWAN compiler and support libraries) which can automatically generate programs for...
...Descriptors: concurrency **control** ;
...Identifiers: **data distribution** ; ...

...process topology **management** ;

29/3,K/2 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

2011789 NTIS Accession Number: N19970010462
Parallel NPARC: Implementation and Performance
(Final Report)
Townsend, S. E.
NYMA, Inc., Brook Park, OH. Engineering Services Div.
Corp. Source Codes: 109197001; N9984257
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Report No.: NAS 1.26:202312; E-10605,AIAA PAPER 97-0026; NASA-CR-202312
Dec 96 12p
Languages: English
Journal Announcement: GRAI9719; STAR3504
Presented at Aerospace Sciences Meeting and Exhibit, 35th, Reno, NV, 6-10. American Inst. of Aeronautics and Astronautics, Washington, DC.
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NTIS Prices: PC A03/MF A01

... of computers. This capability has the potential for significant performance gains, depending upon the block **data distribution** . The parallel implementation uses a master/worker arrangement of processes. The master **process** assigns **blocks** to workers, **controls** worker actions, and provides remote file access for the workers. The processes communicate via explicit message passing using an **interface** library which provides portability to a number of message passing libraries, such as PVM (Parallel

...

29/3,K/3 (Item 2 from file: 6)
DIALOG(R)File 6:NTIS

1371203 NTIS Accession Number: DE88701135
Blocks for Distribution **of Analog** Data **Using an Isolated Line of Serial** Interface
Zamrij, V. N. ; Roganov, A. B.
Joint Inst. for Nuclear Research, Dubna (USSR). Lab. of Neutron Physics.
Corp. Source Codes: 014897003; 3473000
Report No.: JINR-13-87-160
1987 8p
Languages: Russian
Journal Announcement: GRAI8815
In Russian.
U.S. Sales Only. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A02/MF A01

Blocks for Distribution **of Analog** Data **Using an Isolated Line of Serial** Interface
The blocks have been elaborated for the systems with a large number of **control** analog channels and with extended communication lines are described. The connection of the group of **blocks** with the **processor** is accomplished through the CAMAC **interface** module, serial current line and isolated optical couplers. In the addressed block the data are...

... identification. For the RD-8 and RD-12 blocks the time required for the transmission, **distribution** and remembering of **data** for one of the channels, for the conversion and setling of the output +-5 V...

... 1 and 8.4 ms, respectively. This is in accordance with the performances of the **controlled** current sources and magnetic optics elements of the linear induction accelerator. 8 refs.; 4 figs...
Descriptors: Analog-to-Digital Converters; CAMAC System; Data Transmission; Digital Circuits; Equipment **Interfaces** ; Remote **Control**

29/3,K/4 (Item 3 from file: 6)
DIALOG(R)File 6:NTIS

0577651 NTIS Accession Number: AD-A030 297/6/XAB
The Effects of Renewal Processes upon Stochastic Reliability Models (Master's thesis)
Dugas, L. A. ; Hartmann, D. H.
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...Combinatorial assemblies employing various component failure rates are also modeled to examine the bathtub failure **distribution** . The **data** for the combination of five policies and nine type of assemblies are

graphically **displayed** . It was discovered that certain combinations of policies and unit types produced unexpected peaks in...
Descriptors: Replacement theory; *Stochastic **processes** ; *Reliability; Logistics **management** ; **Preventive** maintenance; Statistical decision theory; Policies; Stochastic **control** ; Decision making; Chi square test; Logistics planning; Theses
Identifiers: Maintenance **management** ; Mean time between failures; NTISDODXA

29/3,K/5 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04571377 E.I. No: EIP96123438179
Title: How fieldbus will affect DCS architecture
Author: Hodson, William R.
Corporate Source: MAX Control Systems, Lansdale, PA, USA
Source: InTech v 43 n 11 Nov 1996. p 50-53
Publication Year: 1996
CODEN: INTCDD ISSN: 0192-303X
Language: English

...Abstract: Foundation fieldbus, which supports the ISA SP50 standards committee efforts, will dramatically affect the distributed **control** system (DCS). The wiring to the **controllers** will greatly diminish. The fieldbus segments, both H1 and high-speed H2, will bring in sets of already processed and alarmed values, thereby eliminating the former processing of **controllers** . The DCS will shift to data concentration functions, area and inter-area **control** , application support, and higher-level optimizations. It is predicted that the demand for networks with...
Descriptors: Distributed parameter **control** systems; Sensors; Actuators; Microcomputers; Minicomputers; Programmable logic **controllers** ; Network protocols; Standards; **Interfaces** (computer); Local area networks
Identifiers: Fieldbus **control** ; Device description language (DDL); **Function blocks** ; Object linking and embedding (OLE); Fiber **distribution data interface** (FDDI)

29/3,K/6 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04366978 E.I. No: EIP96033108132
Title: 1 GSPS VME data acquisition module
Author: Loureiro, C.F.M.; Combo, A.M.C.F.; Correia, C.M.B.A.; Varela, P.; Manso, M.E.; Varandas, C.; Serra, F.
Corporate Source: Universidade de Coimbra, Coimbra, Port
Conference Title: Proceedings of the 1995 9th Conference on Real-Time Computer Applications in Nuclear, Particle, and Plasma Physics (Real-Time '95)
Conference Location: East Lansing, MI, USA Conference Date: 19950523-19950526
E.I. Conference No.: 44415
Source: IEEE Transactions on Nuclear Science v 43 n 1 pt 1 Feb 1996. p 184-187
Publication Year: 1996
CODEN: IETNAE ISSN: 0018-9499
Language: English

...Descriptors: Computer software; Digital signal processing; Tokamak devices; Data storage equipment; CMOS integrated circuits; Availability; User **interfaces** ; **Control** systems
Identifiers: Data acquisition module; Trigger mechanism; High sampling rate; Digital signal **processor block** ; Memory data buffer; **Data** acquisition block; Trigger **distribution** ; Common **control** logic block; Reflectometry diagnostic